



①9 BUNDESREPUBLIK  
DEUTSCHLAND



DEUTSCHES  
PATENTAMT

⑫ **Offenlegungsschrift**  
⑩ **DE 196 07 646 A 1**

⑤1 Int. Cl.<sup>6</sup>:  
**G 01 N 33/497**  
G 01 N 33/94  
G 01 N 21/78  
A 61 B 5/083  
G 01 N 31/22

②1 Aktenzeichen: 196 07 646.3  
②2 Anmeldetag: 29. 2. 96  
④3 Offenlegungstag: 11. 9. 97

DE 196 07 646 A 1

⑦1 Anmelder:

Volkman, Jörg, 06456 Freckleben, DE; Ullwer,  
Steffen, 06449 Aschersleben, DE; Mühlenberg,  
Meinhard, 06463 Reinstedt, DE; Topf, Manfred,  
06456 Drohndorf, DE

⑦2 Erfinder:

gleich Anmelder

⑤6 Für die Beurteilung der Patentfähigkeit  
in Betracht zu ziehende Druckschriften:

DE 43 05 593 C1  
DE 29 35 881 C2  
US 46 56 008  
US 42 88 344  
US 41 96 167  
US 36 76 072  
EP 03 36 827 A1  
EP 01 32 313 A2  
WO 88 09 496 A1

McCARATHY, T.J., et.al.: Breath analysis of cannabis  
smokers. In: J. Pharm. Pharmac., 1972, 24, S.489,  
S.490;

⑤4 Cancolor - Schnelltest zur Erkennung von Cannabinoiden im Straßenverkehr

DE 196 07 646 A 1



1, 14, 16, 22, 23,  
25, 27, 28

DERWENT-ACC-NO: 1997-449747  
DERWENT-WEEK: 199742  
COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Detection of consumption of hashish or marijuana - in body fluid, or especially air (breath analysis), using indicator that turns red

INVENTOR: MUEHLENBERG, M; TOPF, M ; ULLWER, S ; VOLKMANN, J

PATENT-ASSIGNEE: MUEHLENBERG M[MUEHI], TOPF MNBERG M[TOPFI],  
ULLWER SERG  
M[ULLWI], VOLKMANN JG M[VOLKI]

PRIORITY-DATA: 1996DE-1007646 (February 29, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19607646 A1	September 11, 1997	N/A	003	G01N 033/497

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE19607646A1	N/A	1996DE-1007646	February 29, 1996

INT-CL (IPC): A61B005/083; G01N021/78 ; G01N031/22 ; G01N033/497 ;  
G01N033/94

ABSTRACTED-PUB-NO: DE19607646A

BASIC-ABSTRACT: Detection of the consumption of hashish and marijuana in body fluids (blood, urine, sweat or saliva) is claimed (no further details). Also claimed is the detection of consumption of hashish and marijuana in breath, using a test tube with an indicator that turns red, when a user exhales into the tube. This is especially for the use of the police who are controlling traffic (no further details).

ADVANTAGE - The test is rapid, and can be operated at the road side. The test offers a practical contribution to road safety, by deterring drug use by drivers.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS:

DETECT CONSUME MARIJUANA BODY FLUID AIR BREATH ANALYSE INDICATE  
TURN RED

DERWENT-CLASS: B04 J04 P31 S03

CPI-CODES: B04-A08C2; B04-A09B; B04-B04B1; B04-B04D5; B04-B04G; B10-A16;  
B11-C07B; B12-K04A; J04-B01; J04-C01;

EPI-CODES: S03-E04E; S03-E09E; S03-E14H9;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M710 M903 N135 Q233 V754

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-143616

Non-CPI Secondary Accession Numbers: N1997-374614